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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 12/31/2008

Maginot, Moore & Beck LLP Chase Tower Suite 3250 111 Monument Circle Indianapolis, IN 46204-5109 EXAMINER RAO, SHRINIVAS H

PAPER NUMBER

ART UNIT 2814

DATE MAILED: 12/31/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,999	11/21/2003	Knut Kahlisch	1890-0011	1506

TITLE OF INVENTION: SUPPORTING STRUCTURE FOR A CHIP AND METHOD FOR PRODUCING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/31/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further a indicated unless correcte	form should be used f correspondence includir ad below or directed oth	or transmitting the ISS og the Patent, advance nerwise in Block 1, by	SUE FEE and PUBLICAT. orders and notification of r (a) specifying a new corre	ON FEE (if requinum naintenance fees waspondence address;	red). Blo ill be ma and/or (b	cks 1 through 5 sh illed to the current o) indicating a sepa	ould be completed where correspondence address as rate "FEE ADDRESS" for
maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Not Fee pap	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
Maginot, Moor Chase Tower Suite 3250		/2008		Cort	ificata of	Moiling or Troper	
111 Monument Circle Indianapolis, IN 46204-5109							(Depositor's name)
muianapons, nv	40204-3109						(Signature)
			L				(Date)
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nonprovisional	NO	\$1510	\$1510 \$300 \$0			\$1810	03/31/2009
EXAMINER A		ART UNIT	CLASS-SUBCLASS				
RAO, SHRI	INIVAS H	2814	257-678000				
"Fee Address" indi PTO/SB/47; Rev 03-0: Number is required. 3. ASSIGNEE NAME AT	ondence address (or Cha 1/122) attached. cation (or "Fee Address 2 or more recent) attach	inge of Correspondence "Indication form and. Use of a Customer A TO BE PRINTED ON	registered attorney or 2 registered patent atto listed, no name will be THE PATENT (print or typ	3 registered patent vely, e firm (having as a agent) and the name rucys or agents. If r printed.	member s of up to name i	a 2 o s 3	scument has been filed for
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Advance Order - #	o small entity discount p	permitted)	4b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038 authorized to chars	is attach	ed. uired fee(s), any del	
	SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no lon				
interest as shown by the r	ecords of the United Sta	tes Patent and Tradema	ted from anyone other than t rk Office.	ис аррисан, а геда	acreu atte	ritey or agent, or th	assignee or onice party in
Authorized Signature				Date			
Typed or printed name				Registration N			
This collection of informa an application. Confident submitting the completed this form and/or suggestie Box 1450, Alexandria, V. Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu- irginia 22313-1450. DC 13-1450.	CFR 1.311. The informat U.S.C. 122 and 37 CFI USPTO. Time will va- rden, should be sent to O NOT SEND FEES OF	tion is required to obtain or a R 1.14. This collection is est ry depending upon the indiv the Chief Information Office R COMPLETED FORMS To	etain a benefit by the imated to take 12 n ridual case. Any corer, U.S. Patent and D THIS ADDRESS.	ne public ninutes to mments of Frademar SEND T	which is to file (and complete, including on the amount of tin k Office, U.S. Depa FO: Commissioner f	by the USPTO to process) g gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450.

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Maginot, Moore & Beck LLP			RAO, SHRINIVAS H		
Chase Tower			ART UNIT	PAPER NUMBER	
Suite 3250 111 Monument Circle			2814 DATE MAILED: 12/31/200	18	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 581 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 581 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
10/719,999	KAHLISCH ET AL.
Examiner	Art Unit
Steven H. Rao	2814

— The MAILING DATE of this communication appears on the cover sheet with the correspondence addressAll claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1331 and MPEP 1308.

- This communication is responsive to 1/19/2007.
- 2. The allowed claim(s) is/are 1-11,13,14 and 23-31.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a)

 All b)

 Some* c)

 None of the:
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) Thereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date ______

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

Application/Control Number: 10/719,999

Art Unit: 2814

Response to Amendment

Applicants' Appeal brief filed on January 19, 2007 has been entered and forwarded to the examiner.

Therefore claims 1 to11, 13,14 and 23-31 as recited in the amendment of January 20, 2006 are currently pending in the Application.

It is noted that Appeal brief incorrectly indicates that claim 2 is not pending. (appeal brief page A-2).

Claims 12 and 15 to 22 were previously cancelled.

Allowable Subject Matter

Claims 1 to 11, 13,14 and 23 to 31 are allowed.

The following is an examiner's statement of reasons for allowance:

The applied prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The applied prior art fails to teach a combination of all the claimed features as presented in independent claims (1 and 23) which include the arrangement for use in a package as recited including "at least one wire connected to the chip and extending through the bond opening and the bonding channel" and teach or suggest that "those openings ever include an encapsulation material "and further there may be no motivation to combine the references as stated in the Appeal brief (e.g. pages A-6,A-7) (cl.1) and for claim 23 in addition to the above the escape prevention structure as recited.

Application/Control Number: 10/719,999

Art Unit: 2814

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. Rao whose telephone number is (571) 272-1718. The examiner can normally be reached on 8.30-5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1714. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Steven H. Rao

Patent Examiner

August 03, 2007

/Howard Weiss/
Primary Examiner
Art Unit 2814